

IM3080 Design and Innovation Project (AY2023/24 Semester 1)

Individual Report

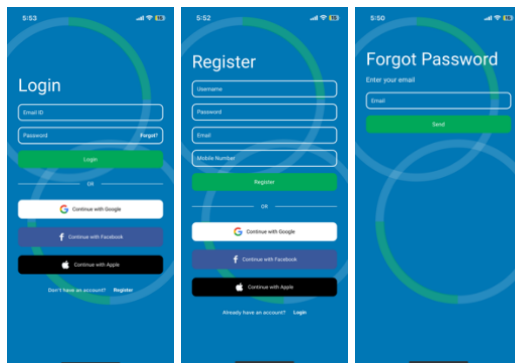
Name: Cheong Xi Wen

Group No: 5

Project Title: CLUTCH

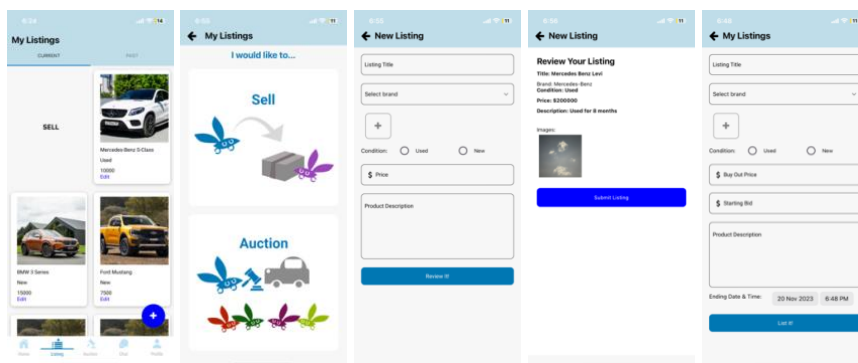
Contributions to the Project

Login & Registration



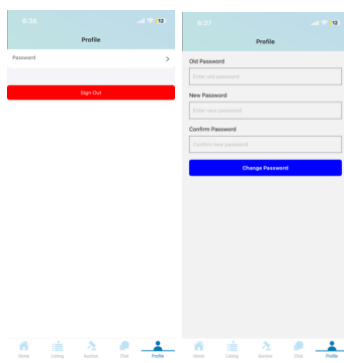
There will be a pop up message indicating that a password reset email is sent to the email entered when the user clicks the send button in the Forgot Password page.

Listing



There will be a pop up message warning the user that information filled in the form will not be saved if they leave without posting their listing.

Profile



There will be a pop up message indicating if password change is successful when the user clicks the Change Password button in the Edit Password page.

Reflection on Learning Outcome Attainment

Reflect on your experience during your project and the achievements you have relating to at least two of the points below:

- (a) Engineering knowledge
- (b) Problem Analysis
- (c) Investigation
- (d) Design/development of Solutions
- (e) Modern Tool Usage
- (f) The Engineer and Society
- (g) Environment and Sustainability
- (h) Ethics
- (i) Individual and Team Work
- (j) Communication
- (k) Project Management and Finance
- (l) Lifelong Learning

Point 1: Modern Tool Usage

In this project, I have been introduced to many new tools and 2 such tools are Git and Figma.

Git is a version control system which is highly used in coding collaborations. For group coding projects prior to this, I have always been using the traditional way of code sharing by sending it from person to person, which only allows one person to be working on the project at any point in time. However, this is a very ineffective way of communication. For this project, we first created a project on GitHub with branches for each person such that we are able to upload our codes to each of our branches. Then, by making use of the Clone Repository function and Git push and pull, we are able to view and edit each other's codes without having to send them to each other. Also, through the merge function, we can combine each other's code with ease, although there would be conflicts sometimes when we merge, especially in the package.json file as our individual files use different dependencies.

Additionally, the use of figma has made it easier to standardise designs, especially with fonts and hex colour codes. This makes for clearer communication between the designers and the app developers as compared to doing physical sketches. It also offers collaboration, which is one of the most important features when looking for apps for group work. On top of that, figma has prototyping capabilities that is able to mimic the user app experience, which ensures that all necessary screen designs are present before the app development team starts coding.

Point 2: Investigation

The feature our group has decided to add on is auction. However, there are many types of auction – English auction, Dutch auction, sealed-bid auction and many more. Upon doing some research, we found that the more suitable type of auction for high-valued items like cars, which in this case is our main product, is the English auction. The English auction starts at a low price and then increases and the highest bidder will get the item when the auction ends. As transparency is important in online transactions, English auctions allows all bidders to see the bids in real-time. Additionally, the open and competitive nature of English auctions can lead to fair market value or even higher prices, a plus point for sellers. From this, I have learnt to take into account the concerns and expectations of users and implementing the most suitable method to achieve this goal.